

Notice of Allowability

Application No.

10/589,792

Examiner

HUNG Q. NGUYEN

Applicant(s)

BING ET AL.

Art Unit

3741

– The **MAILING DATE** of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 04/02/2010.
2. ☒ The allowed claim(s) is/are 1,4 and 8.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20100506.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/HUNG Q. NGUYEN/
Examiner, Art Unit 3741

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mrs. Elizabeth C. Richter on 05/06/2010.

The application has been amended as follows:

IN THE CLAIMS:

- Claim 1 has been amended as follows:

1. A cylinder sleeve for an internal combustion engine, an outer surface of which has at least one contact area or two contact regions that lie opposite one another reaching over an entire axial length of said cylinder sleeve, a radially outer surface of said cylinder sleeve has a lesser radial distance from a longitudinal axis of said sleeve than a radially outer surface of a rest of said sleeve surface, an outer contour that is elliptical in cross-section and is formed by a depth of a roughened region that varies over a circumference, said cylinder sleeve having a constant sleeve wall thickness, wherein said cylinder sleeve is configured as a rough-cast sleeve, said outer surface of which has said roughened region reaching over its entire axial length and consisting of a plurality of elevations with undercuts and wherein a height of said elevations is between 0.2 mm to 2 mm.

- Claim 4 has been amended as follows:

4. A cylinder sleeve for an internal combustion engine, an outer surface of which has one contact area or two contact regions that lie opposite one another, reaching over an entire axial length of said cylinder sleeve, a radially outer surface of said cylinder sleeve has a lesser radial distance from a longitudinal axis of the sleeve than a radially outer surface of a rest of said sleeve surface, and an outer contour that consists, in cross section, of four arc shaped segments that are approximately the same size, wherein the radially outer surface of said arc-shaped segment or of two arc-shaped segments that lie opposite one another has a lesser radial distance from said longitudinal axis of said cylinder sleeve than a radially outer surface of the other arc-shaped segments, and which is formed by a depth of a roughened region that varies over a circumference, said sleeve having a constant sleeve wall thickness, wherein the cylinder sleeve is configured as a rough-cast sleeve, the outer surface of which has the roughened region reaching over its entire axial length and consisting of a plurality of elevations with undercuts and wherein a height of the elevations is between 0.2 mm to 2 mm.

- Claim 8 has been amended as follows:

8. The cylinder sleeve according to claim 1, wherein the contact area or two contact regions are provided with a step having a flattened region lying radially on the outside, on its lower side facing a crankcase.

- Claims 2-3, 5-7 and 9-14 have been cancelled.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUNG Q. NGUYEN whose telephone number is (571) 270-5424. The examiner can normally be reached on Mon-Fri 8am - 6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MICHAEL CUFF can be reached on (571) 272-6778. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/HUNG Q. NGUYEN/
Examiner, Art Unit 3741

/Michael Cuff/
Supervisory Patent Examiner, Art Unit 3741